Zonet

ZVC7100

USB Web Camera

Motion Detect

Show instant effects on your web video

User's Manual

Table of Contents

Introduction……3

Package Contents……3

Product Diagram……3

Specifications……3

System Requirements……3

Driver Installation……4

Software Installation……5

Hardware Installation……7

Check the hardware is working and related settings……8

Advanced Settings……10

Cautions……12

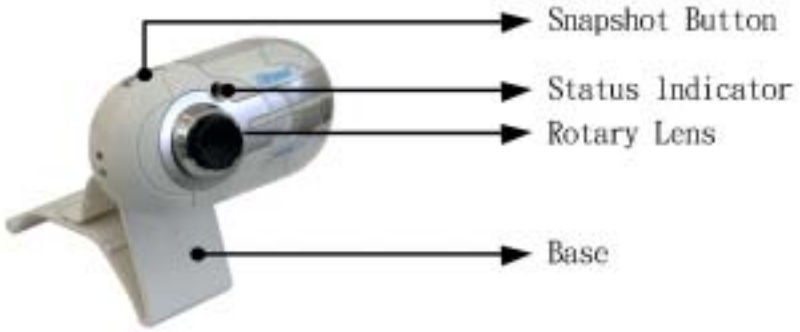
Introduction:

Thanks for purchasing our ZVC7100 ! It is a high performance web digital product guaranteed by our technology and quality. It is a PNP (Plug and Play) product for real-time data transmission to PC via USB port. It has a high resolution and fast transmission rate, and it is also nice-looking and convenient life experience with your distant friends and families!

Package Contents:

- One ZVC7100
- One User Manual
- One Driver CD

Product Diagram



Specifications

- 480K pixels Digital Camera
- Image Sensor: CMOS
- Video Capture Resolution: 640*480
- Max. Image Resolution: 800*600
- Video mode: RGB24
- Interface: USB1.1 port
- Frame rate: 640*480 mode up to 30 fps
  800*600 mode up to 25 fps
- Signal-Noise ratio: Larger than 48dB
- Dynamic range: Larger than 72dB
- Focus Settings: Manual, 3cm to infinity
- Non-Compression Image Processor
- Automatic Whiteness Balance
- Snap-shot Button
- Lens: Plastic
- Digital Zoom function
- Special Image Effect
- Special Image Frame
- Built-in Microphone

System requirements

- CPU: above PII 400MHz, Celeron, AMD Athlon
- OS: Windows 98/2000/ME/XP
- Free HDD space: over 200MB
- Memory: min. 128MB
- CD-ROM driver
- Available USB port
- Support DirectX 9.0 VGA card

Driver Installation

Notice: DO NOT PLUG ZVC7100 INTO USB PORT BEFORE DRIVER IS INSTALLED! If you have already plugged ZVC7100, please unplug it and follow the Steps below.

Insert the Installation Disc into CD-ROM then installation menu will automatically appear.
a. Click ***ZVC7100*** to install the driver

Figure 1

b. Click ***Next***

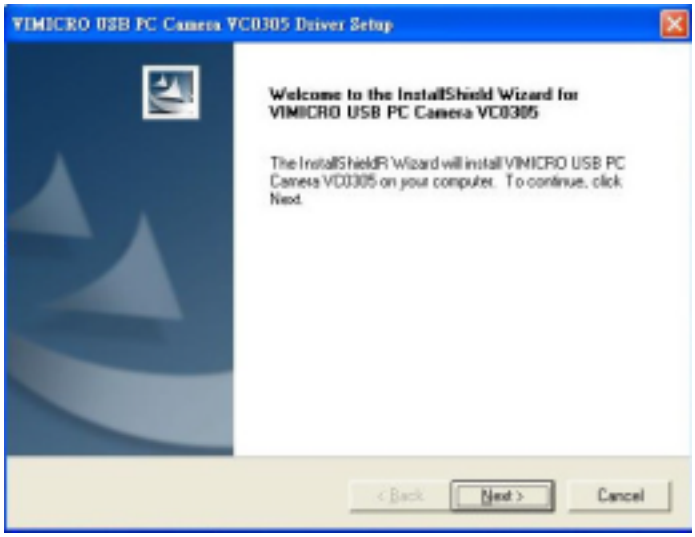

VIMICRO USB PC Camera VC0305 Driver Setup
Welcome to the InstallShield Wizard for VIMICRO USB PC Camera VC0305
The InstallShield(R) Wizard will install VIMICRO USB PC Camera VC0305 on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure 2

c. Click ***Continue Anyway***

Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Figure 3

d. Select ***Yes, I want to restart my computer now*** and click ***Finish*** to complete the driver installation

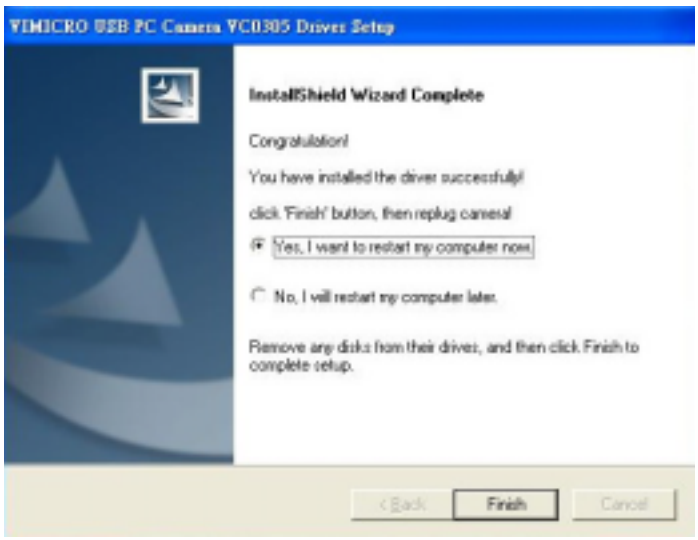

VIMICRO USB PC Camera VC0305 Driver Setup
InstallShield Wizard Complete
Congratulation!
You have installed the driver successfully!
click 'Finish' button, then replug camera!
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

Figure 4

Software Installation

a. After PC reboots, insert the Installation Disc again and click ***VICAM*** on installation menu to install the software

Figure 5

b. Click ***Next***

Vimicro Cam Setup
Welcome to the InstallShield Wizard for Vimicro Cam
The InstallShield® Wizard will install Vimicro Cam on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure 6

c. Configure the installation path and then click ***Next***

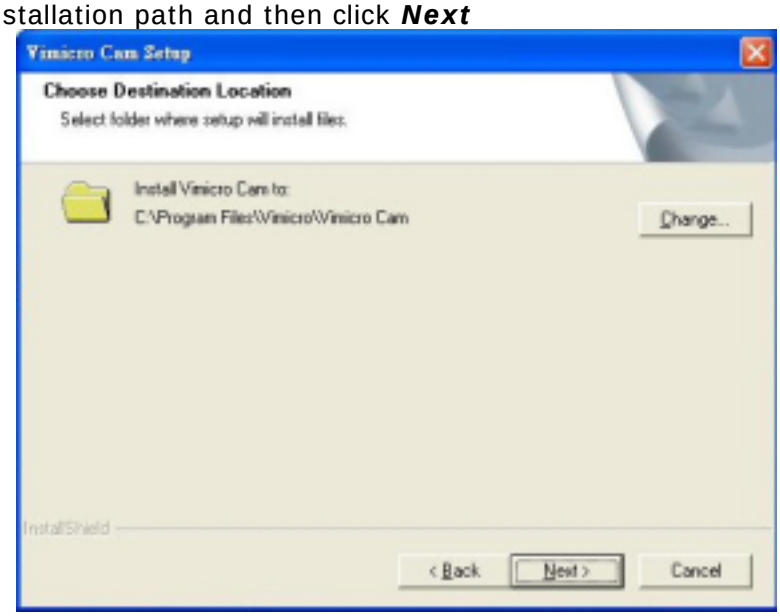


Figure 7

d. Click ***Finish*** to complete installation of software

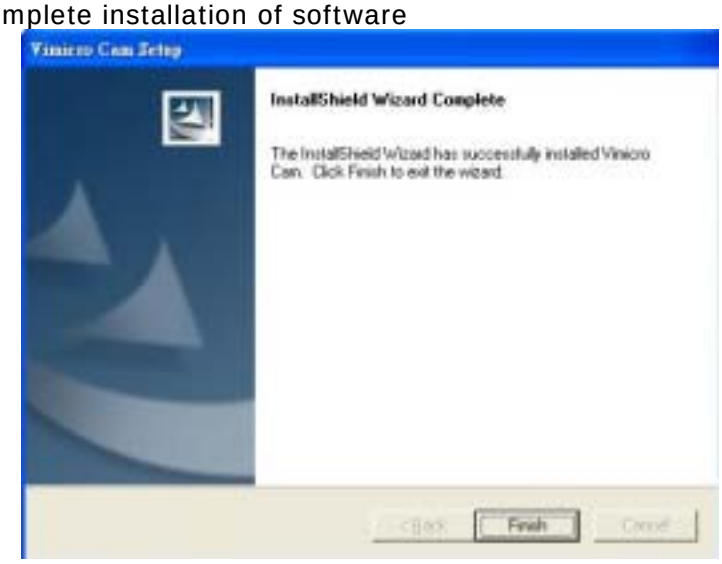

Vimicro Cam Setup
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Vimicro Cam. Click Finish to exit the wizard.
< Back
Finish
Cancel

Figure 8

e. Click OK

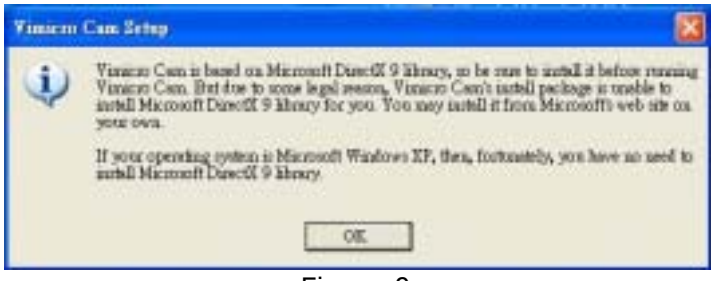

Vimicro Cam Setup
Vimicro Cam is based on Microsoft DirectX 9 library, so be sure to install it before running Vimicro Cam. But due to some legal reason, Vimicro Cam's install package is unable to install Microsoft DirectX 9 library for you. You may install it from Microsoft's web site on your own.
If your operating system is Microsoft Windows XP, then, fortunately, you have no need to install Microsoft DirectX 9 library.
OK

Figure 9

Hardware installation

When the installation of software and related drivers are complete, plug ZVC7100 into an available USB port

a. When the product is plugged in, click ***Next***

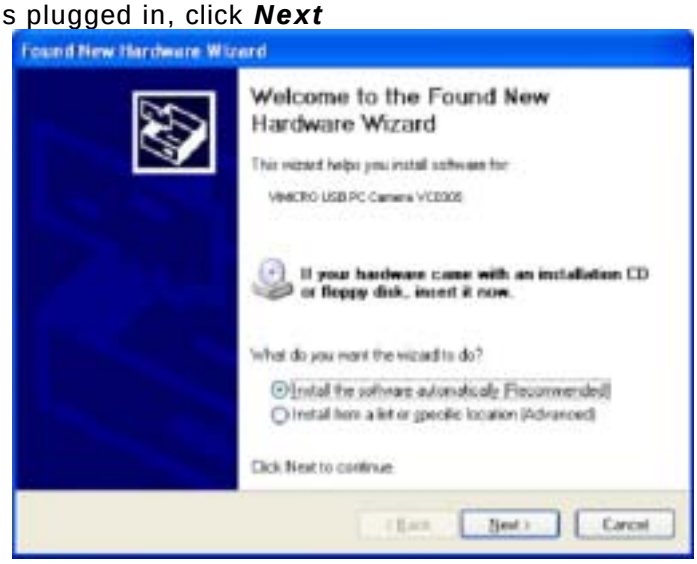


Figure 10

b. Click ***Continue Anyway***

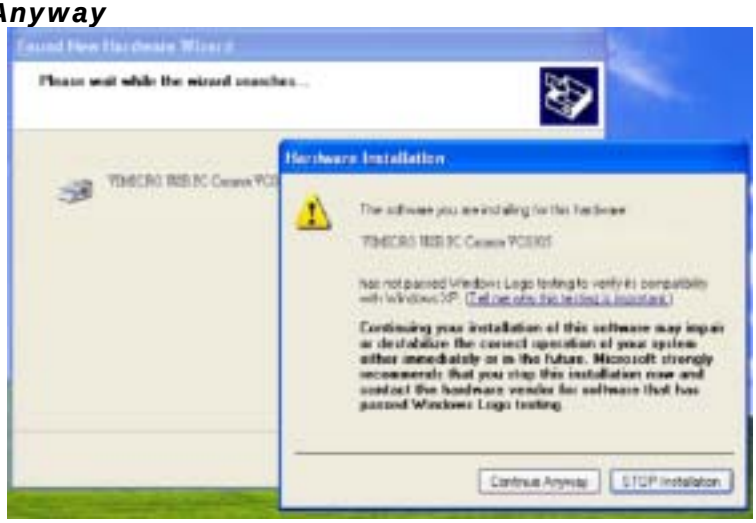


Figure 11

c. Click ***Finish***

Figure 12

Check the hardware is working and related settings

Start your ZVC7100

a. By selecting the Application Program from Start menu as Figure 13

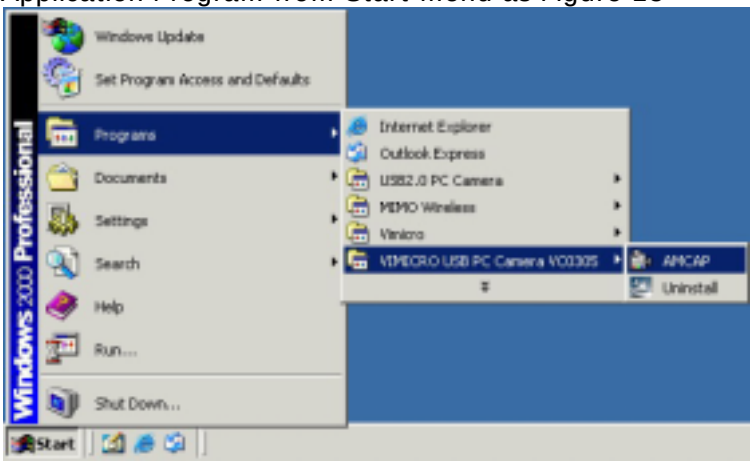


Figure 13

b. You will see the preview picture of ZVC7100

Figure 14

c. By selecting the ***Options→ Video Capture Pin,*** you can adjust the resolution from preview window

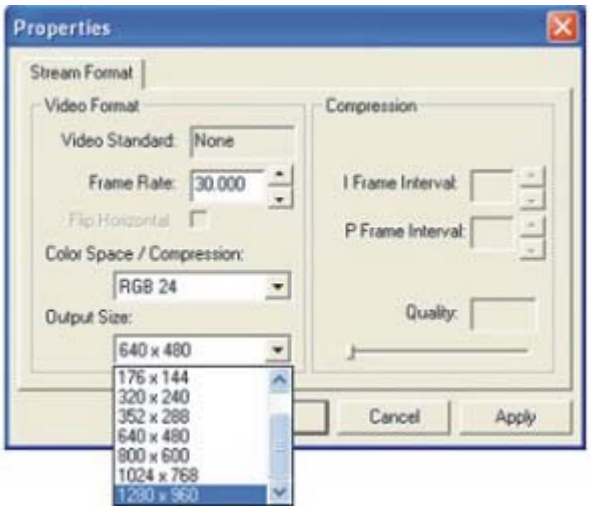


Figure 15

Start your VICAM

a. By selecting the Application Program from Start menu as Figure 16

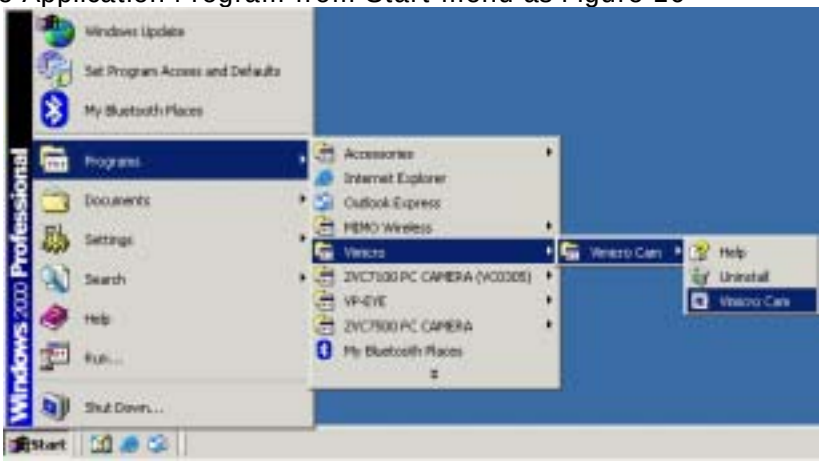


Figure 16

b. You will see the preview picture of VICAM, and you can select below functions when you run the preview mode

Figure 17

1. Snapshot function: just click the snapshot icon to take the picture
2. Delay-Snapshot function: it provides the countdown function from 1-10 seconds for delaying snapshot
3. Multi-Snapshot function: it can setup to take 2 to 30 pictures continuously
4. Motion Detect Snapshot function: it can only catch the moving figures to snapshot by setting the detect area
5. Record function: just click the record icon to make the video in MPEG4 format
6. Motion Detect Record function: it can only tape the moving figures by setting the detect area
7. Schedule function: it can scheduled recording for picture or video

Advanced Settings

For ZVC7100

a. By clicking ***Options→ Video Capture Filter***, You can enter into advanced settings

i. From this page you can adjust the quality of the picture

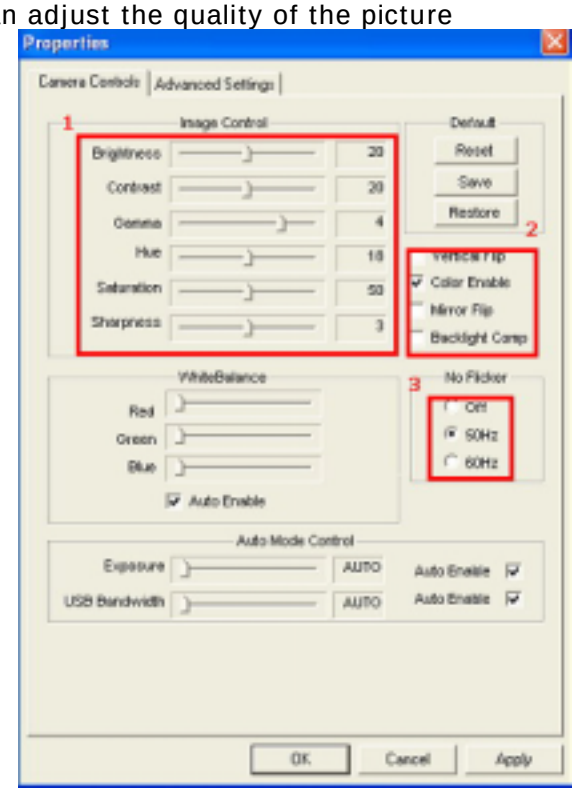


Figure 18

1. **Image Control:** Adjust the parameter to your favorite setting
2. **Color Enable:** Click check box under low-light surrounding
3. **No Flicker:** It's very important to set the frequency the same as your local power supply

ii. From this page you can set 9 special effects as well as 6 photo frames for your pictures

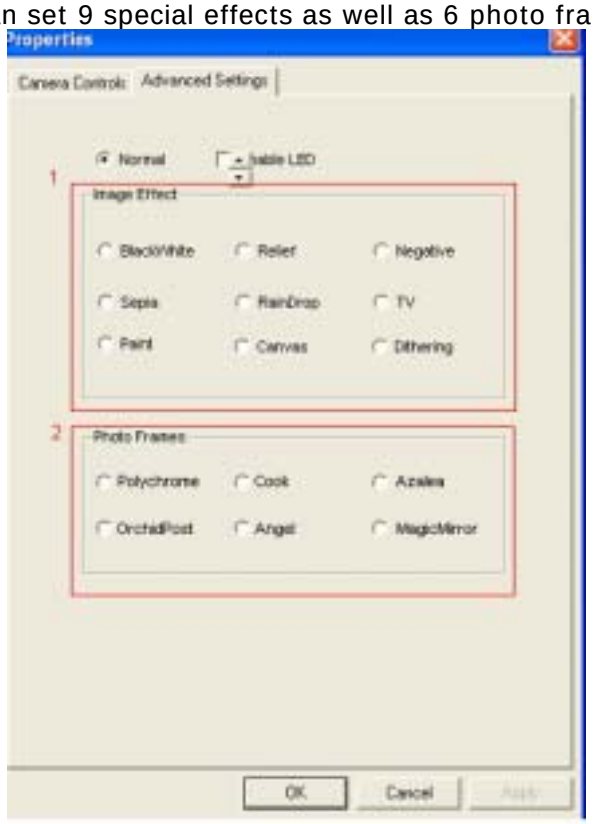


Figure 19

1. **Special effects setting field**
2. **Photo frame setting field**

b. The Zoom function can be accomplished simply by right click on the Camera Icon in Taskbar

Figure 20

For VICAM

a. By selecting the ***Camera→Camera Settings,*** you can adjust the video quality from preview window

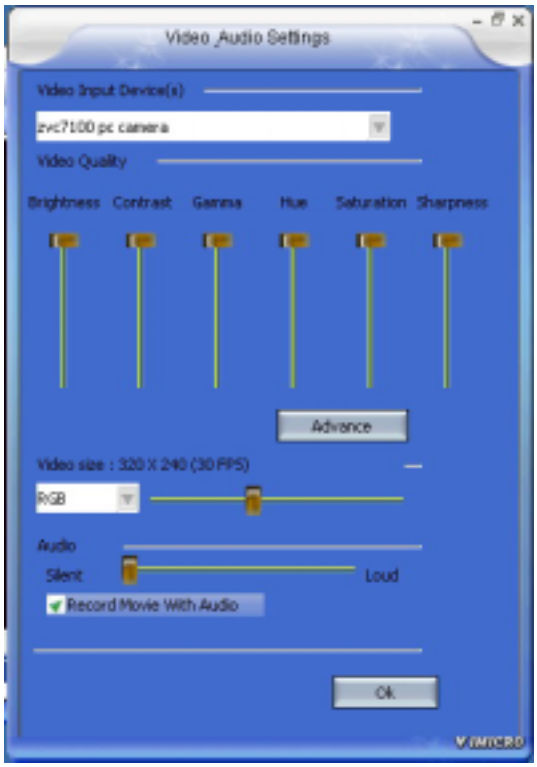


Figure 21

b. By selecting the ***Camera→Motion Detect Settings,*** you can adjust the Response, Area of Interest, and Sensitivity Level from preview window

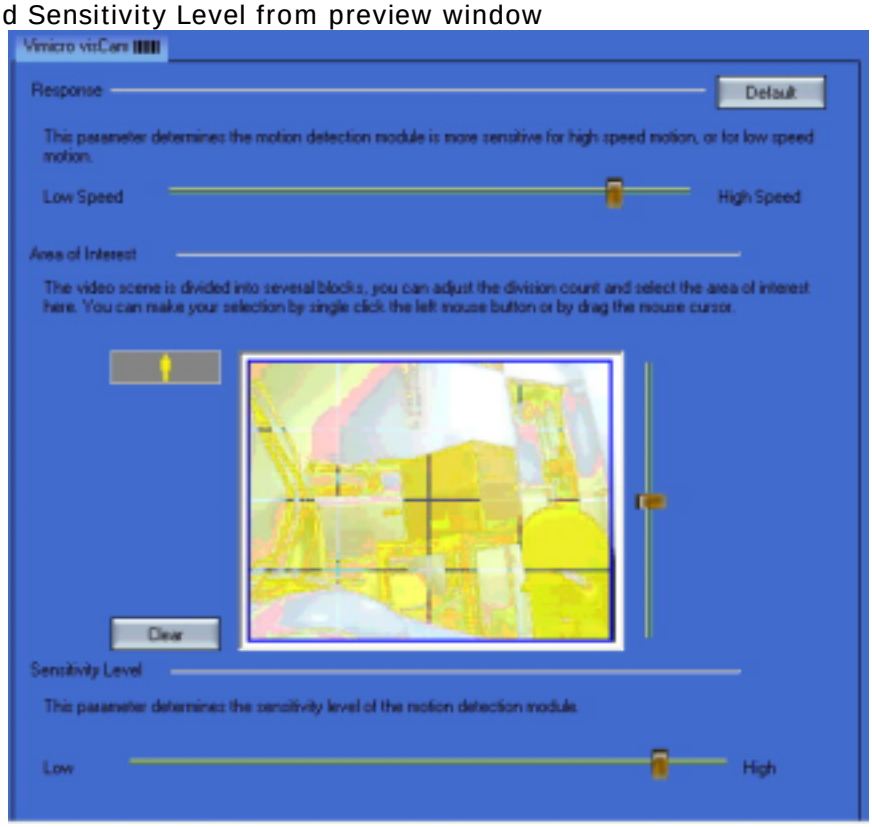

Response
Default
This parameter determines the motion detection module is more sensitive for high speed motion, or for low speed motion.
Low Speed
High Speed
Area of Interest
The video scene is divided into several blocks, you can adjust the division count and select the area of interest here. You can make your selection by single click the left mouse button or by drag the mouse cursor.
Clear
Sensitivity Level
This parameter determines the sensitivity level of the motion detection module.
Low
High

Figure 22

c. By selecting the ***Album→Album Settings,*** you can change the Storage path and File format from preview window

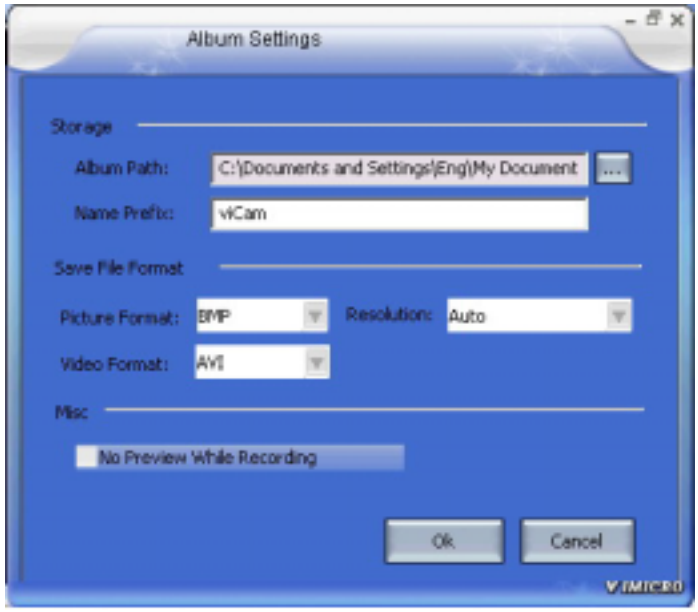


Figure 23

Cautions

- If ZVC7100 is hot when it is working for a long time. We suggest you stop working for some time.
- Avoid Contact to the lens with hand, sharp or coarse stuff; use clean and soft cloth for cleaning
- Do not use it in hot, cold, dusty or humid circumstances.
- Avoid falling as much as possible; severe falling may cause damages to the lens, malfunction or scratches to the surface.
- For any problems concerning our products you purchase, please send them back to local sales agent with effective note.